Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_

**Cell Organelle Criminal Profile**

Mrs. Krouse, Pre-AP Biology

Several eukaryotic cell organelles are wanted for crimes they have committed. You, the detective in charge, are tasked with creating a criminal profile for each of these organelles. You will include the following elements in your criminal profile…

|  |  |
| --- | --- |
| **Element:** | **Specifics:** |
| Street Name | What alternate name might this organelle go by?  *(Note: This is just for fun!)* |
| Scene of the Crime | Types of cells where this organelle is found: animal and/or plant  Location in the cell (ex: near the nucleus, cell membrane, other organelles?)  *(Note: Your location description can be creative, but please make sure to communicate the actual location of the organelle.)* |
| Physical Description | Shape and a short description of the organelle’s physical characteristics  *(Note: Your physical description can be creative, but please make sure to communicate real information about the organelle’s physical traits.)* |
| Sketch | Sketch a picture of the organelle  *(Note: Your picture can be creative, but please make sure to incorporate the actual appearance of the organelle into your sketch.)* |
| Nature of the Crime | Explain what this organelle does in the cell (function)  *(Note: Your explanation can be creative, but please make sure to communicate the true* |

We will do a sample criminal profile as a class, and the five organelles for which you must create a profile are… the Rough ER, the Golgi apparatus, the lysosome, the chloroplast, and the flagellum (singular for flagella).

**Organelle 1: Rough ER**

|  |  |
| --- | --- |
| Street Name | Sketch |
| Scene of the Crime |
| Physical Description |
| Nature of the Crime |

**Organelle 2: Golgi Apparatus**

|  |  |
| --- | --- |
| Street Name | Sketch |
| Scene of the Crime |
| Physical Description |
| Nature of the Crime |

**Organelle 3: Lysosome**

|  |  |
| --- | --- |
| Street Name | Sketch |
| Scene of the Crime |
| Physical Description |
| Nature of the Crime |

**Organelle 4: Chloroplast**

|  |  |
| --- | --- |
| Street Name | Sketch |
| Scene of the Crime |
| Physical Description |
| Nature of the Crime |

**Organelle 5: Flagellum**

|  |  |
| --- | --- |
| Street Name | Sketch |
| Scene of the Crime |
| Physical Description |
| Nature of the Crime |